



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

PERMIT DETAILS

Area Permit Number: 5456/1
File Number: 2013/000312-1
Duration of Permit: From 29 March 2013 to 29 March 2015

PERMIT HOLDER

Rottnest Island Authority

LAND ON WHICH CLEARING IS TO BE DONE

Lot 10976 on Plan 216860 (Rottnest Island 6161).

AUTHORISED ACTIVITY

The Permit Holder shall not clear more than 0.1308 hectares of native vegetation within the area hatched yellow on attached Plan 5456/1.

CONDITIONS

Nil

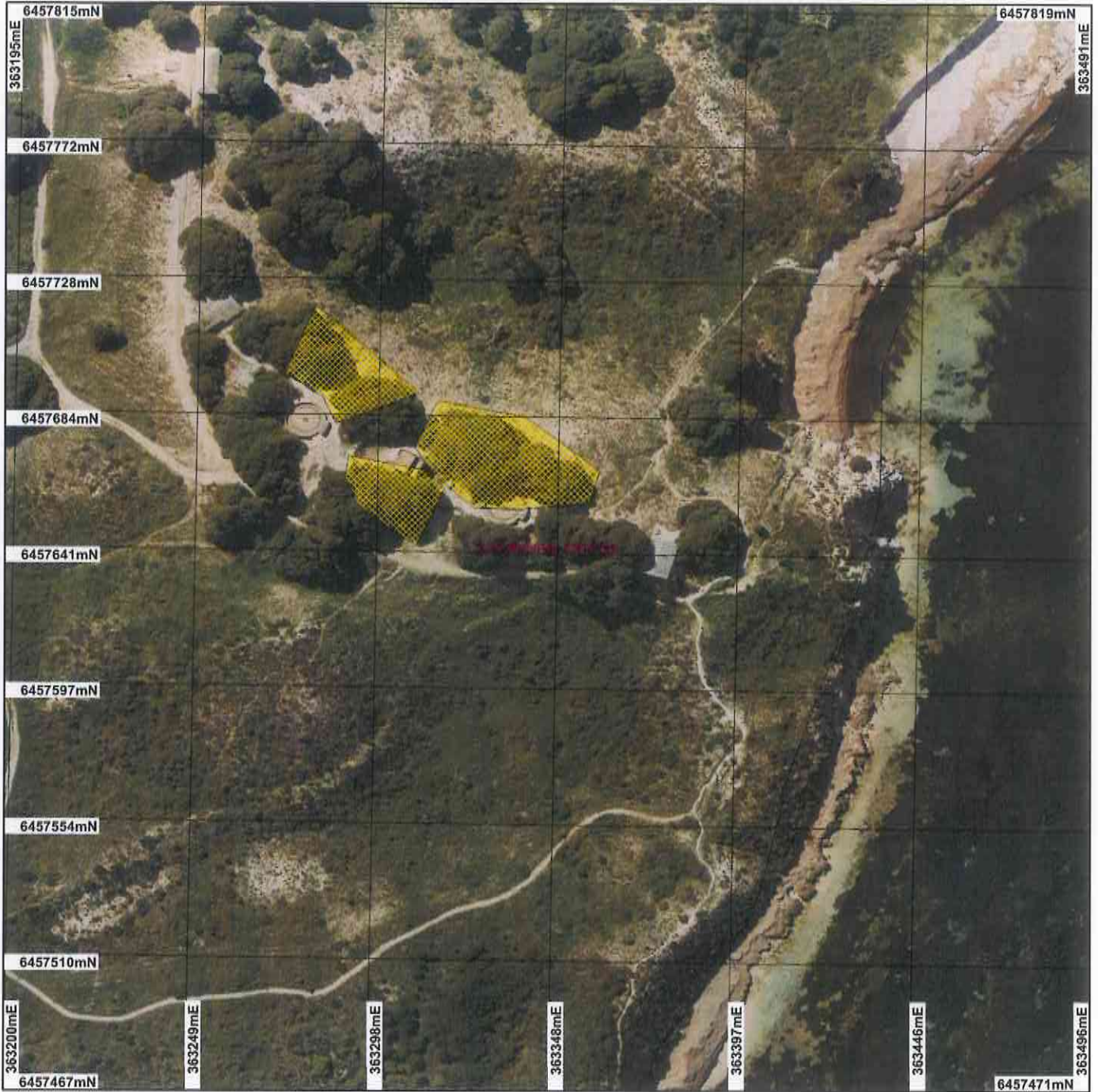
A handwritten signature in black ink, appearing to read "M Warnock", written over a horizontal line.

M Warnock
A/MANAGER
NATIVE VEGETATION CONSERVATION BRANCH

*Officer delegated under Section 20
of the Environmental Protection Act 1986*

7 March 2013

Plan 5456/1



LEGEND

- | | |
|----------------------------------------------------------|-------------------------------------------------------|
| Clearing instruments | <input type="checkbox"/> Local Government Authorities |
| Areas Approved to Clear | |
| Road Centrelines | |
| <input type="checkbox"/> Cadastre | |
| <input type="checkbox"/> Rottneet Island Aug 2011 Mosaic | |



Scale 1:1666
(Approximate when reproduced at Letter)

Geocentric Datum Australia 1994

Note: the data in this map have not been projected. This may result in geometric distortion or measurement inaccuracies.

M. Warnock Date 7/3/13
M. Warnock

Information derived from this map should be confirmed with the data custodian acknowledged by the agency acronym in the legend.



Department of Environment and Conservation

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1. Application details

1.1. Permit application details

Permit application No.: 5456/1
Permit type: Area Permit

1.2. Proponent details

Proponent's name: Rottnest Island Authority

1.3. Property details

Property: LOT 10976 ON PLAN 216860 (House No. 1 SOMERVILLE ROTTNEST ISLAND 6161)
Local Government Area: City of Cockburn

1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	For the purpose of:
0.131		Mechanical Removal	Restoration

1.5. Decision on application

Decision on Permit Application: Grant
Decision Date: 7 March 2013

2. Site Information

2.1. Existing environment and information

2.1.1. Description of the native vegetation under application

Vegetation Description	Clearing Description	Vegetation Condition	Comment
Mapped Beard Vegetation Association 1007 is described as shrublands consisting of <i>Acacia lasiocarpa</i> & <i>Melaleuca acerosa</i> heath and shrublands consisting of <i>Acacia rostellifera</i> & <i>Acacia cyclops</i> thicket (Shepherd et al, 2001).	This application proposes to clear 0.1308 hectares of native vegetation within Lot 10976 on Deposited Plan 216860 (Reserve 16713), Rottnest Island, for the purpose of rehabilitation for interpretive heritage site.	Degraded: Structure severely disturbed; regeneration to good condition requires intensive management (Keighery 1994)	The condition of the vegetation was established through aerial imagery (Rottnest Island Orthomosaic-Landgate 2011).
Hedde Vegetation Quindalup Complex consists of a coastal dune complex with two alliances, the strand and fore-dune alliance and the mobile and stable dune alliance. Local variations include the low closed forest of <i>Melaleuca lanceolata</i> (Rottnest Teatree), <i>Callitris preissii</i> (Rottnest Island Pine) and the closed scrub of <i>Acacia rostellifera</i> (Summer-scented Wattle) (Hedde et al, 1980).	The primary species proposed to be cleared is <i>Melaleuca lanceolata</i> .		

3. Assessment of application against clearing principles

Comments **Proposal is not likely to be at variance to this Principle**

This application proposes to clear 0.1308 hectares of native vegetation within Lot 10976 on Deposited Plan 216860 (Reserve 16713), Rottnest Island, for the purpose of rehabilitation for an interpretive heritage site. The vegetation is in a degraded (Keighery, 1994) condition.

One priority two flora species, a prostrate annual herb, has been recorded within the local area (10 kilometre radius). One record of this species has been mapped on lakeside flats in an area prone to waterlogging. Given that this habitat description is not consistent with that of the application area, and that the vegetation under application is largely devoid of understorey species, this species is unlikely to occur within the area of proposed clearing.

Given the small size of the application area, and the degraded condition of the vegetation under application, it is not likely to provide significant habitat for fauna indigenous to Western Australia.

The closest threatened ecological community and priority ecological community to the application area is the vulnerable *Callitris preissii* forests and woodlands on the Swan Coastal Plain, and the priority 2 Hypersaline Microbial Community 1 within Government House Lake, both located 1.2 kilometres north west of the application area. The vegetation under application primarily consists of *Melaleuca lanceolata*, and is therefore not representative of that mapped within these areas.

There is approximately 71 per cent of Beard Vegetation Association 1007 and 47 per cent of Hedde Vegetation Quindalup Complex remaining within the Swan Coastal Plain (Government of Western Australia, 2011). Therefore the vegetation under application is not within an area that has been extensively cleared, and given the vegetation is in a degraded condition, it is not likely to represent a significant remnant.

Given the relatively small area proposed to be cleared and that no wetlands or watercourses occur within the application area, it is not likely the proposed clearing will cause appreciable land degradation, impact water quality, consist of riparian vegetation or cause or exacerbate the intensity of flooding.

Given the above the proposed clearing is not likely to be at variance to any of the clearing Principles.

- Methodology** **References:**
-Keighery (1994)
-Government of Western Australia (2011)
- GIS Databases:
-DEC Tenure
-Hydrography, linear
-Hydrography, hierachy
-SAC Bio Datasets (Accessed March 2013)

Planning instrument, Native Title, Previous EPA decision or other matter.

Comments

The proposed clearing falls within the Rottnest Island Groundwater Area, which is an area proclaimed under the Rights in Water and Irrigation (Act) 1914. The Department of Water (DoW) were notified of the proposed clearing and no comment has yet been received.

The proposed clearing falls within an Aboriginal Site of Significance. It is the proponent's responsibility to comply with the Aboriginal Heritage Act 1972 and ensure that no Aboriginal Sites of Significance are damaged through the clearing process.

No submissions from the public have been received for the proposed clearing.

- Methodology** GIS Databases:
-RIWI, Groundwater Areas
-Aboriginal Sites of Significance

4. References

Government of Western Australia (2011); 2011 Statewide Vegetation Statistics incorporating the CAR Reserve Analysis (Full Report). WA Department of Environment and Conservation, Perth.

Hedde, E. M., Loneragan, O. W., and Havel, J. J. (1980) Vegetation Complexes of the Darling System, Western Australia. In Department of Conservation and Environment, Atlas of Natural Resources, Darling System, Western Australia.

Keighery, B.J. (1994) Bushland Plant Survey: A Guide to Plant Community Survey for the Community. Wildflower Society of WA (Inc). Nedlands, Western Australia.

Shepherd, D.P., Beeston, G.R., and Hopkins, A.J.M. (2001), Native Vegetation in Western Australia. Technical Report 249. Department of Agriculture Western Australia, South Perth.

5. Glossary

Term	Meaning
BCS	Biodiversity Coordination Section of DEC
CALM	Department of Conservation and Land Management (now BCS)
DAFWA	Department of Agriculture and Food
DEC	Department of Environment and Conservation
DEP	Department of Environmental Protection (now DEC)
DoE	Department of Environment
DoIR	Department of Industry and Resources
DRF	Declared Rare Flora
EPP	Environmental Protection Policy
GIS	Geographical Information System
ha	Hectare (10,000 square metres)
TEC	Threatened Ecological Community
WRC	Water and Rivers Commission (now DEC)